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Classification Exception Area/Well restriction Area

Case Information

Case ID 250063 RPC040001

Preferred Id 250063

Case HUDSON COUNTY CHROMATE - KEARNY

Address : VARIOUS LOCATIONS

CEA ID: CEA - 2240

Activity Number RPC040001

Subject Item ID: CEA1167113

County Hudson

City: Kearny Town

Lot and Block of the Case			
Block	Lot		
See Exhibit A [Site Location Map]			

Lot and Block of the CEA			
Block	Lot		
286	37a		
286	37c		
287	19		
287	20		
287	20R		
287	27		
287	27R		
287	31		
287	33		

287	33R	
287	35	
287	36	
287	37	
287	38a	
287	38b	
287	39	
287	40	
287	41	
287	41R	
287	46	
287	47	
287	48	
287	49R	
287	50	
287	51	
287	52	
287	52R	
287	54	
Contacts		

DEP DOYLE, DAVID
(609) 292 - 2173

Department Oversight Document

CEA Information

Description

This CEA is for the following Chromium Sites located in Kearny Town: 48, 50, 51, 58, 103, 113, 116 and 131. This CEA supercedes and is inclusive of the CEAs previously established for these sites

GW

Aquifer	Vertical Depth
Fill	25

Contaminant				
This CEA /WRA applies to the contaminants listed in the table below. The ground water quality criteria / primary drinking water standards for these contaminants are listed in parts per billion (ppb). All constituents standards (N.J.A.C. 7:9:9-6) apply at the designated boundary.				
Contaminant	Concentration ¹		GWQS ²	
Chloride	6,560.00	Micrograms Per Liter	0.10	Micrograms Per Liter

Chromium	87,100.00	Micrograms Per Liter	0.10	Micrograms Per Liter
Chromium (VI)	38,600.00	Micrograms Per Liter	0.10	Micrograms Per Liter
Total dissolved solids (TDS)	10,400.00	Micrograms Per Liter	0.10	Micrograms Per Liter

Site*Note:**1 Maximum concentration detected at the time of CEA establishment**2 Ground Water Quality Standards***CEA Boundaries**

	horizontal	See exhibit B (CEA/WRA Location Map)	
	vertical	See exhibit B (CEA/WRA Location Map)	
		Included in affected aquifer above	

Projected Term of CEA

Date Established	7/11/2003
Duration	999.00
Date Closed/Lifted	
Comments	
	Since groundwater quality data indicates exceedance of contaminants above the Primary Drinking
Note	Water Standards, and the designated uses of Class II-A aquifer included potable use, the CEA
	established for this site is also a Well restriction Area. The extent of Well Restriction shall
	coincide with the boundaries of the CEA

Well Restrictions set within boundaries of the CEA

Restrictions	Well Restriction Boundries
Double Case Wells	Double Case Wells: With the exception of monitoring wells installed into the first water bearing zone, any proposed well to be installed within the CEA/WRA boundary shall be double cased to an appropriate depth in order to prevent any vertical contaminant migration pathways. This depth is either into a confining layer or 50 feet below the vertical extent of the CEA.
Evaluate Production Wells	Evaluate Production Wells: Any proposed high capacity production wells in the immediate vicinity of the CEA/WRA should be pre-evaluated to determine if pumping from these wells would draw a portion of the contaminant plume into the cone of capture of the production wells or alter the configuration of the contaminant plume.
Sample Potable Wells	Sample Potable Wells: Any potable well to be installed within the footprint of the CEA/WRA shall be sampled annually for the parameters of concern. The first sample shall be collected prior to using the well. If contamination is detected, contact your local Health Department. If the contamination is above the Safe Drinking Water Standards, then the NJDEP Hot Line should be called. Treatment is required for any well that has contamination above the Safe Drinking Water Standards.

Site Specific Well Restrictions	
Restriction	
* None at this time	

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New Jersey Map

